



LOUISIANA NATURAL AND SCENIC RIVERS SYSTEM

PERMIT APPLICATIONPermit # 955 (Assigned by Department)

The Louisiana Department of Wildlife and Fisheries' Scenic Rivers program is authorized by LRS title 56, Chapter 9 Part II. This law requires permits authorizing activities in or affecting rivers that have been designated by the Louisiana Legislature as Natural and Scenic. Information provided on this form will be used in evaluating the application for a permit. Information in this application is made a matter of public record through issuance of a public notice. Disclosure of the information requested is voluntary, however, the data requested are necessary in order to communicate with the applicant and to evaluate the permit application. If necessary information is not provided, the permit application cannot be processed nor can a permit be issued.

APPLICANT INFORMATION

Name of Applicant Patrick Jacobs, Ascension Pipeline, LLC	Name of Agent (if any) Chuck Fontenot, SWCA Environmental Consultants
Address 2501 Cedar Springs	Address 5745 Essen Lane
Address Suite 100	Address Suite 105
City, State, Zip Dallas, TX 75201	City, State, Zip Baton Rouge, LA 70810
Phone (214) 953-9532	Phone (225) 663-3830

DESCRIPTION OF THE PROPOSED ACTIVITY

Brief summary of the description and purpose of the proposed activity (details to be attached as a separate document)

Ascension Pipeline, L.L.C. proposes to construct a 12", approximately 32.6-mile natural gasoline/butane pipeline from the EnLink Midstream Riverside facility, located in Geismar, Louisiana to the Marathon Petroleum Company's refinery, located in Garyville, Louisiana.

Is any portion of the activity complete? YES or ☒ NO (If yes, indicate month and year of completion)**LOCATION OF PROPOSED ACTIVITY**

Stream Name	Blind River	Names, Addresses, Phone Numbers of Adjacent Property Owners
Parish	St. James	Department of Wildlife And Fisheries
Section	73	State of Louisiana
Township	11S	2000 Quail Drive
Range	05E	Baton Rouge, LA 70808
Latitude/Longitude	30.103613°, -90.743147°	(225) 765-2800

ENVIRONMENTAL ASSESSMENT

Must be a separate document. See the attached instruction sheet for completing the assessment.

CONFIRMATION OF INFORMATION ACCURACY

Application is hereby made for a Scenic River Permit to authorize the activities described herein. I certify that I am familiar with the information contained in this application and that, to the best of my knowledge and belief, such information is true, complete, and accurate. I further certify that I possess the authority to undertake the proposed activities, or I am acting as the duly authorized agent of the applicant.


Signature

2/9/14
Date

**ENVIRONMENTAL ASSESSMENT
ASCENSION 12-INCH PIPELINE
BLIND RIVER CROSSING
ST. JAMES PARISH, LOUISIANA**

1.0 Introduction

Ascension Pipeline, LLC (Ascension), a subsidiary of EnLink Midstream, LLC, is proposing the construction of a new 12-inch diameter natural gasoline and normal butane pipeline originating at the EnLink Midstream Riverside facility, located in Geismar, Louisiana in Ascension Parish and terminating at the Marathon Petroleum Company refinery, located in Garyville, Louisiana in Saint John the Baptist Parish; a distance of 32.6 miles. The pipeline will supply the Marathon refinery with enough natural gasoline and natural butane to help eliminate a portion of the foreign-sourced natural gasoline it consumes and offer the refinery protection against disruptions in other existing supply chains. Installation of this pipeline would require crossing the Blind River

This document was prepared to evaluate the impacts associated with installing the pipeline crossing at Blind River through horizontal directional drilling (HDD). The evaluation is part of the Louisiana Natural and Scenic Rivers System Use Permit Application in conjunction with the Louisiana Scenic Rivers Act.

2.0 Project Description

The project consists of installing a new 12-inch natural gasoline/butane pipeline from the EnLink Midstream Riverside facility, located in Geismar, Louisiana in Ascension Parish and terminating at the Marathon Petroleum Company refinery, located in Garyville, Louisiana in Saint John the Baptist Parish requiring crossing of the Blind River. The proposed pipeline route will cross the Blind River at Latitude 30° 6' 27.41", Longitude 90° 44' 52.87", approximately 4.50 miles south of Interstate 10 on U.S. Highway 61, in Section 73, T11S-R05E, in St. James Parish. The pipeline is projected to exit on the southeast bank of the Blind River at Latitude 30° 05' 49.08", Longitude 90° 44' 3.92", still within Section 73, T11S-R05E (Figure 1). The crossing location lies within the U.S. Army Corps of Engineers New Orleans District and the Louisiana Department of Natural Resources (LDNR) Coastal Zone (CZ).

The new crossing will be installed by using the Horizontal Directional Drill (HDD) method. In order to prevent impacts to the Blind River during pipeline installation, Ascension is proposing an approximately 5,786-foot-long (1.09 miles) HDD to cross beneath the river (Figure 2). The directional drill will be terminated with a mainline valve (MLV; MLV#5) on the east side of the crossing, located approximately 3,620-feet from the bank of the Blind River. An additional MLV (MLV#4) will be installed approximately 3.20-miles northwest of the bank of the river at the nearest tie-in location of proposed along the pipeline alignment (Figure 3). See Appendix A for project maps and drawings.

The northwest side of the river will be the location of the HDD entrance. HDD workspace areas will be placed partially within an existing cleared pipeline right-of-way

(ROW) and forested area within the Maurepas Swamp Wildlife Management Area (MSWMA). The exit side of the HDD will be on the southeast side of the river in a forested area of the MSWMA, including the HDD drill string. Existing access roads will be used to access the pipeline ROW to reach the HDD workspace sites. No access roads connect to the river, ending a minimum of 900-feet from the river banks. A total of 45 days (September 1, 2016 – October 15, 2016) is required to complete the HDD, perform the required hydrostatic testing, and complete the required re-vegetation activities.

3.0 Permitting Requirements

Prior to initiating installation of the pipeline, Ascension will obtain the following permits in addition to the Class B Special Use Permit issued by the Louisiana Department of Wildlife & Fisheries:

1. Joint Permit Application
 - a. Section 10 Navigable Waterways – USACE New Orleans District
 - b. Section 404 Clean Waters Act – USACE New Orleans District
 - c. Coastal Use Permit – Office of Coastal Management and St. James Parish
 - d. Section 401 Water Quality Certification – Louisiana Department of Environmental Quality
2. General Construction Stormwater Permit – Louisiana Department of Environmental Quality
3. Hydrostatic Test Water Permit – Louisiana Department of Environmental Quality
4. Letter of No Objection from Ascension, St. James, and St. John the Baptist Parish Governments.

4.0 Statement of Compliance History

Ascension Pipeline, LLC or EnLink Midstream is not aware of any past violation of the Louisiana Scenic Rivers Act.

5.0 Minimization of Impacts

Short and long-term impacts associated with the proposed work have been minimized to the greatest extent possible.

- The horizontal directional drill crossing of the Blind River avoids both short and long term erosion problems along creek banks and waterbottom by installing the new pipeline deep beneath the creek.
- Minimized new construction workspaces and new crossings of jurisdictional wetlands and waters of the U.S. to the smallest extent possible. Wetlands and riparian areas at these locations would be within the HDD path and, therefore, avoided by construction activities.
- Minimized conversion of habitat to a permanent pipeline ROW by siting the new 12-inch pipeline adjacent to existing pipeline ROWs. Ascension Pipeline workspace areas will overlap the existing ROW with a 30-foot wide temporary construction ROW to minimize impacts to vegetation communities.
- No construction activities or equipment will be allowed within the high banks of the river. Construction equipment will access workspace areas on each side of the

river via existing roads and an existing, maintained ROW to minimize the amount of ground cover impacted. HDD entrance and exit workspace areas are located approximately 1,759-feet and 3,905-feet, respectively, from the river banks.

- During the construction phase of the project, Best Management Practices (BMPs) for erosion and sedimentation control will be designed to retain sediment on the project ROW to the highest extent practicable. An Erosion and Sediment Control Best Management Practices Plan has been developed and will be used to ensure control of runoff during construction. Erosion and sediment control BMPs will include temporary vegetation, blankets/matting, mulch, sod, erosion control compost, compost filter berms and socks, or mulch filter berms and socks.
- The drilling mud for the HDD will be contained and removed from the site to be disposed according to state regulations. Water used for hydrostatic testing will be discharged within the existing ROW.
- Following construction, contours along the ROW will be restored, disturbed areas will be reseeded, and temporary work areas will be allowed to revert to preconstruction conditions.

6.0 Alternatives

Ascension Pipeline will install a new 12-inch pipeline via HDD crossing of the Blind River. Alternatives to installing a new pipeline were considered but rejected. These included:

- The no-action alternative consists of Ascension Pipeline not constructing the pipeline to provide normal butane and natural gasoline to the Marathon refinery in order to service their needs. Under this alternative, Marathon would need to find another source to supply their needs. Based on the current and anticipated demand for normal butane and natural gasoline, the no-action alternative was not considered a viable alternative.
- Ascension Pipeline, LLC considered alternative methods for delivering the required supply to the river markets other than constructing a pipeline. In order to transport the projected amount of butane and gasoline from the EnLink Midstream's Riverside facility by methods other than pipeline would require significant additions to their current infrastructure including barge dock construction, overland piping along the Mississippi River levee, truck load out facilities, and storage tanks. In addition, the end user would also require significant expansion of existing infrastructure. The additional infrastructure would impact the environment along the Mississippi River and increase air emissions at each facility and along the route. There is also an inherent safety risk to the public involved in the transport of petroleum products by truck, rail, or barge. The most distant potential end user for the pipeline will be approximately 50 miles away, which is considered optimal for truck transport if the shipments are relatively small. Barges and rail are better suited for distances greater than 50 miles. Although some potential end users are located within 50 miles, the amount of product required on a daily basis would indicate barge or rail as the preferred option; however, this option is not feasible due to the small distances to some end users. Ascension Pipeline considers the pipeline alternative as preferable in order to reduce road congestion and safety concerns on state and parish roads. The

proposed pipeline is preferred over barge or rail due to travel distances required. The amount of storage required at the production and end-user facilities along with the transportation infrastructure required to transport by truck, barge, or rail was determined to be a non-viable option.

Installation of a new pipeline, that includes multiple HDD areas including the Blind River crossing, is the only viable alternative and environmental impacts will be minimized to the maximum extent possible while safely meeting the project purpose and need.

7.0 Environmental Assessment

7.1 Existing Land Use

Extensive lumbering occurred throughout the area in the vicinity of the Blind River before the 1950's. The river is used frequently for outdoor recreation such as hunting, fishing, and boating. U.S. Highway 61 and the railway line that cross the river are important transportation links. Camp sites (second homes) and recreation are mayor uses of the river. Adjacent property uses include public recreation uses approved in the MSWMA, forest lands, and pipeline/transmission corridors.

Land use at the pipeline crossing of the Blind River is consistent from one bank to the other. The proposed 12-inch pipeline ROW will be located adjacent to an existing maintained pipeline corridor where herbaceous vegetation is allowed to grow in the ROW; however maintenance does not include removal of vegetation along the banks of the Blind River. A portion of the proposed ROW will include forested lands adjacent to the existing pipeline corridor. The areas adjacent to the proposed HDD entry and exit workspaces are herbaceous areas of native vegetation used for previous HDD installations. The forested areas on each side of the river are dominated by mature bald cypress (*Taxodium distichum*) and water tupelo (*Nyssa aquatic*). Since the establishment of the Maurepas Swamp WMA, the area has been used for recreational hunting, fishing, bird watching, sightseeing, hiking, camping, and boat riding. The Blind River was classified as a Scenic River in 1973.

The proposed action is not expected to impact the existing land use as HDD installation methods will prevent removal of vegetative communities along the banks of the Blind River, as well as workspace areas and access roads will be the smallest size possible to allow for safe project completion.

7.2 Wilderness Qualities

The project is located approximately 4.5 miles northwest of the city of Gramercy and is about 4.5 miles southeast of the intersection of Interstate 10 and U.S. Highway 61. The river crossing location is surrounded by herbaceous and forested areas on both the northwest and southeast banks. Access is limited to the areas adjacent to the location of the proposed Blind River crossing due to frequent flooding, requiring boats and airboats to access the river from points upstream or downstream at certain times of the year when water levels are high. The nearest boat access to the proposed river crossing is a public boat launch, the St. James Boat Club, approximately 0.58-mile upstream. The areas near the crossing location can also be

accessed on foot, during dry seasons, through the MSWMA; however a Self-Clearing Permit from the Louisiana Department of Wildlife and Fisheries (LDWF) must be completed at the nearest check-in station prior to accessing the WMA.

No impacts to the wilderness or rural quality of the river are expected due to the short duration of the project and the use of HDD techniques to install the pipeline beneath the waterbottom.

7.3 Scenic/Aesthetic Value

Scenic and aesthetic values of the area are limited to those with the means to access the Blind River by boat or during dry seasons that allow access of the area on foot. During installation of the pipeline, no vegetation will be cleared between HDD entry and exit sites. These sites are approximately 1,759-feet and 3,905-feet, respectively, from the river banks.

By using HDD techniques that prevent clearing of vegetation along the banks of the river at the crossing site and the short construction timeline, the project is not expected to cause any impacts to the scenic or aesthetic values of the site.

7.4 Recreational Use/Opportunities

Boating on the Blind River is limited to canoes, kayak, float boats, etc which reflects the type of recreation. Float boats are used by people who are mainly fishing, while the canoes and kayak are mainly use by those enjoying the aesthetic, wilderness, and wildlife values along the river. In the past the river has been used for activities such as swimming, floating, and general water sports. Such usage now is limited by advisories by Louisiana Department of Environmental Quality and Louisiana Department of Health and Hospitals. State owned and managed property (MSWMA) is located on both sides of the river for the entire length of the river. WMA signs are common along the river. Therefore, access to the surrounding lands is open to the public with correct permits, but is limited due to frequent flooding.

By using HDD techniques to avoid impacts to the waterbody and the short construction timeline, the project should not impact recreational use.

7.5 Ecological Systems Present

Blind River swamp and natural area is an abandoned Mississippi River distributary about 20-miles in length containing about 25,000 acres of cypress-tupelo gum forest. Ecological systems adjacent to the proposed Ascension Pipeline and the Blind River crossing location consist of a previously cleared ROW that supports emergent vegetation, including emergent wetlands, and forested wetlands. The area has typical wildlife and vegetation of a forested wetland (described in Section 7.9). The Blind River is a significant portion of the ecological systems present at the proposed crossing.

The HDD workspace locations will be placed primarily within the existing pipeline ROW so impacts to the ecological systems near the proposed pipeline crossing location will be minimal.

7.6 Fish and Wildlife in the Area

The forested area offers habitat for a number of animal and birds species, such as white-tailed deer (*Odocoileus virginianus*), eastern gray squirrel (*Sciurus carolinensis*), rabbits (*Sylvilagus spp.*), numerous species of neotropical migrant birds, resident wood ducks (*Aix sponsa*), black-bellied whistling ducks (*Dendrocygna autumnalis*), mallards (*Anas platyrhynchos*), egrets and herons from the Family *Ardeidae* and larger avian species such as bald eagles (*Haliaeetus leucocephalus*) and osprey (*Pandion haliaetus*). The freshwater marsh habitat also offers usage by many reptilian and amphibian species that include the American alligator (*Alligator mississippiensis*).

Freshwater fish species in river are largemouth bass (*Micropterus salmoides*), crappie (*Pomoxis spp.*), and other various species of sunfish (*Lepomis spp.*), multiple species of catfish (*Ictalurus spp.*), gar (*Lepisosteus spp.*, *Atractosteus spatula*), minnows and shiners. The pallid sturgeon (*Scaphirhynchus albus*) inhabits the reach of the Mississippi River adjacent to where it used to connect to Blind River. Paddlefish (*Polyodon spathula*) and Gulf sturgeon (*Acipenser oxyrinchus desotoi*) are inhabitants of the Lake Pontchartrain Basin. It is possible that Asian carp (*Hypophthalmichthys molitrix* and *H. nobilis*) have entered the system via the Bonnet Carre Floodway after the 2011 Mississippi River flood event, however no reports have been verified as of 2012.

No work will be performed in within the banks of the river and no construction activities will occur between HDD entry and exit workspaces, so the project is not expected to have significant long-term impacts on fish or local wildlife.

7.7 Historical/Archaeological Sites

The proposed project is not expected to impact cultural resources at the crossing since the work will be within the existing cleared ROW. A cultural field survey was completed and no historical/archaeological sites were identified at the location of the river crossing. No historical or archaeological sites are listed on the Louisiana Natural Register of Historic Places near the proposed Blind River crossing.

The project is not expected to impact any historical/archaeological sites, due to their absence at the crossing location.

7.8 Geological/Hydrologic Features

The project is located in the mid to lower headwaters of the Lake Pontchartrain Basin in an area where the geology is dominated by soils of the Barbary and Fausse soil series. Both soil series are very deep, very poorly drained, and very slowly permeable soils formed in recent, slightly fluid to very fluid clayey sediments that have been deposited in water and are continuously saturated and flooded. These soils

are mainly on low, broad, ponded backswamps of the lower Mississippi River Alluvial Plain.

Blind River is a tributary of Lake Maurepas in the Lake Pontchartrain Basin. The head waters begin approximately 2.5 miles north of Convent Louisiana, 4.5 miles off the eastern levee of the Mississippi River. It flows northeast from St. James Parish through both Ascension and St. John the Baptist Parishes before discharging into Lake Maurepas. Blind River has numerous tributaries consisting mostly of pipeline canals and bayous. The majority of the watershed consists of Maurepas Swamp and surrounding developed land and agriculture.

No adverse impacts to the existing geology or hydrologic features are anticipated from the proposed activity.

7.9 Botanical Elements

Vegetation occurring at and near the river crossing and HDD entry and exit workspace areas include bald cypress (*Taxodium distichum*), water tupelo (*Nyssa aquatic*), water oak (*Quercus nigra*), black willow (*Salix nigra*), red maple (*Acer rubrum*), dwarf palmetto (*Sabal minor*), broadleaf cattail (*Typha latifolia*), common rush (*Juncus effusus*), swamp smartweed (*Persicaria hydropiperoides*), wingleaf primrose-willow (*Ludwigia decurrens*), smooth beggartick (*Bidens laevis*), and maidencane (*Panicum hemitomon*).

HDD workspaces will be located in the existing maintained ROW and no clearing will occur between HDD entry and exit workspace locations, so no impacts are expected to the vegetative communities due to the Ascension Pipeline Blind River crossing.

7.10 Water Quality/Quantity

Dependent upon tidal actions in Lake Maurepas, flushing of the river takes place at an extremely slow rate. The Louisiana Department of Environmental Quality (DEQ) Water Quality Inventory, 2012 Final Integrated Report lists the Blind River as impaired from the Headwaters to Lake Maurepas. Reasons for suspected causes and sources of impairment are dissolved oxygen, mercury in fish tissue, and non-native aquatic plants. HDD entry and exit workspaces will be located approximately 1,759-feet and 3,905-feet, respectively, from the river banks. Hydrostatic test waters will be utilized from other waterbodies, meaning no water will be taken directly from the Blind River for hydrostatic testing events.

By utilizing HDD methods, no construction work will be done in or near the banks of the Blind River, as well as no water taken from the river for hydrostatic testing, so pipeline installation activities are not expected to have any impact on water quantity of the river.

7.11 Economic Impact of the Project

Based on 2011 data, Louisiana ranks as the number two producer of crude oil and natural gas in the nation. Louisiana also ranks number two in petroleum refining capacity. The extraction, refining, and pipeline industries support \$73.8 billion in sales, generated over \$20.5 billion in household earnings for Louisianans, and supported 287,008 jobs. On average every job created in these sectors creates 3.4 additional jobs in other sectors. These three industries directly paid \$1.5 billion in state taxes and fees in FY 2013 and conservative estimates are that these three industries indirectly paid nearly one billion dollars in taxes to local governments.

The proposed pipeline installation will have direct effects on the local economy by creating jobs and increasing revenue at local business utilized by construction crews.

6.0 Spill Response Plan

The proposed line will be equipped with an automated leak detection system which continuously monitors flow volume rates, and enables remote detection of relatively small volumes of liquid loss. This provides the operator with the capability to isolate a potential leak prior to experiencing a significant release, thereby significantly reducing safety and environmental risks associated with the pipeline operation. In addition to operator initiated shutdowns, Ascension can remotely shut in certain valves and will also have ESDs (emergency shut-downs) in place that automatically stop flow in the event of pipeline or instrument failures. Mainline valves (MLV) will be placed at on either side of the Blind River crossing to allow for shutdowns of the pipeline in the event of a spill. A MLV (MLV#4) will be installed approximately 3.20-miles northwest of the bank of the river at the nearest tie-in location along the pipeline alignment. An additional MLV (MLV#5) will be placed on the east side of the crossing, located approximately 3,620-feet from the bank of the Blind River.

In the event of a release the following protocol will be enacted to address any spill issues at the Blind River Crossing:

- 1) *Source Control:*
 - a) Deploy personal to confirm release and/or:
 - i) Investigate.
 - ii) Close valves or blow down section of pipe.
 - iii) Isolate the affected line sections.
 - iv) Eliminate possible sources of ignition.
- 2) *Notification:*
 - a) Pipeline Control and essential personnel will be tasked to:
 - i) Notify Louisiana State Police (LSP) Hazmat.
 - ii) Give internal notification to QI (qualified individual) and essential personnel.
 - iii) Communicate situation to all individuals who may be in immediate danger.
- 3) *Contain and Mitigate:*
 - a) Essential Personnel and QI will:

- i) Utilize company owned response resources (boats, boom, barriers, and any other means necessary to contain and clean spilled product).
- ii) Mobilize additional response resources such as fire, police, medical, and OSRO as applicable.
- iii) Determine list of hazardous materials or substances that may be present.
- iv) Provide on-scene support as directed by incident management and/or QI.
- v) Block off the area impacted.
- vi) Evacuate employees and/or public from premises that are or may be affected.
- vii) Observe and note existing & potential effects of product to people, wildlife and environment.
- viii) Observe and note signs of substances other than line product which may have been (or have potential) to be released.
- ix) Monitor spill area and mitigate for damages assessed.

7.0 Conclusion

A review of the ecological criteria set forth in the Scenic Rivers permitting guidelines, (existing land use, wilderness qualities, scenic values, ecological regimes, recreational use/opportunities, aesthetic values, fish and other aquatic life, wildlife, historical and archaeological resources, geological resources, botanical resources, water quality and quantity, hydrologic features, cultural Resources, and economic impact of the project) did not identify any attributes that would be negatively impacted by the proposed activity. The use of HDD to cross the Blind River paired with the use of existing cleared rights-of-way and the application of best management practices limits negative influences to the smallest extent possible while also allowing for safe, cost effective, and timely installation of the Ascension Pipeline. Any potential impacts will be short term due to the short duration of the project. By placing the new pipeline approximately 145-feet below the bottom of the river, long term maintenance of the river crossing will not be required.



State of Louisiana

BOBBY JINDAL
GOVERNOR

DEPARTMENT OF WILDLIFE AND FISHERIES

ROBERT J. BARHAM
SECRETARY

Dear Scenic River Permit Applicant:

Please review and concur on the following statement regarding the issuance of permits by the Louisiana Department of Wildlife and Fisheries. This agreement must be signed and returned before a Scenic River Permit can be issued.

"I have been advised and do understand that by applying for and accepting a Scenic Rivers permit issued by the Louisiana Department of Wildlife and Fisheries, I am being allowed to engage in an activity which would otherwise be prohibited by law or for which a permit is required. I understand that the permit is not a license and confers no property right upon me. I specifically agree to abide by all State and Federal fish and wildlife laws and regulations, and all State and Federal laws and regulations which relate to this permit or the permitted activity, and by all other terms and conditions of this permit. I understand that the permit for which I am applying may be suspended, annulled, withdrawn or revoked and that I may be assessed civil penalties, all in accordance with the provision of the Louisiana Administrative Procedure Act, and that I may be denied future permits as a consequence of my failure to fully and completely comply with the terms and conditions of the permit, as well as other laws and regulations pertinent thereto. If served with or notified of a cease and desist order signed by the Scenic Rivers Administrator, I agree to immediately and without delay cease all activities and operations which relate to the permitted activity or which are impacting the Scenic River, until such time as the matter can be resolved in an adjudicatory hearing pursuant to the Louisiana Administrative Procedure Act. I understand and agree that any permit issued to me by the Louisiana Department of Wildlife and Fisheries is in the nature of a privilege which is being voluntarily extended to me by the Department and the failure on my part to cooperate with the Department can result in the loss of the privilege conferred and the denial of future requests for permits. By accepting this permit, I evidence my agreement to be bound by all conditions and stipulations set forth herein."

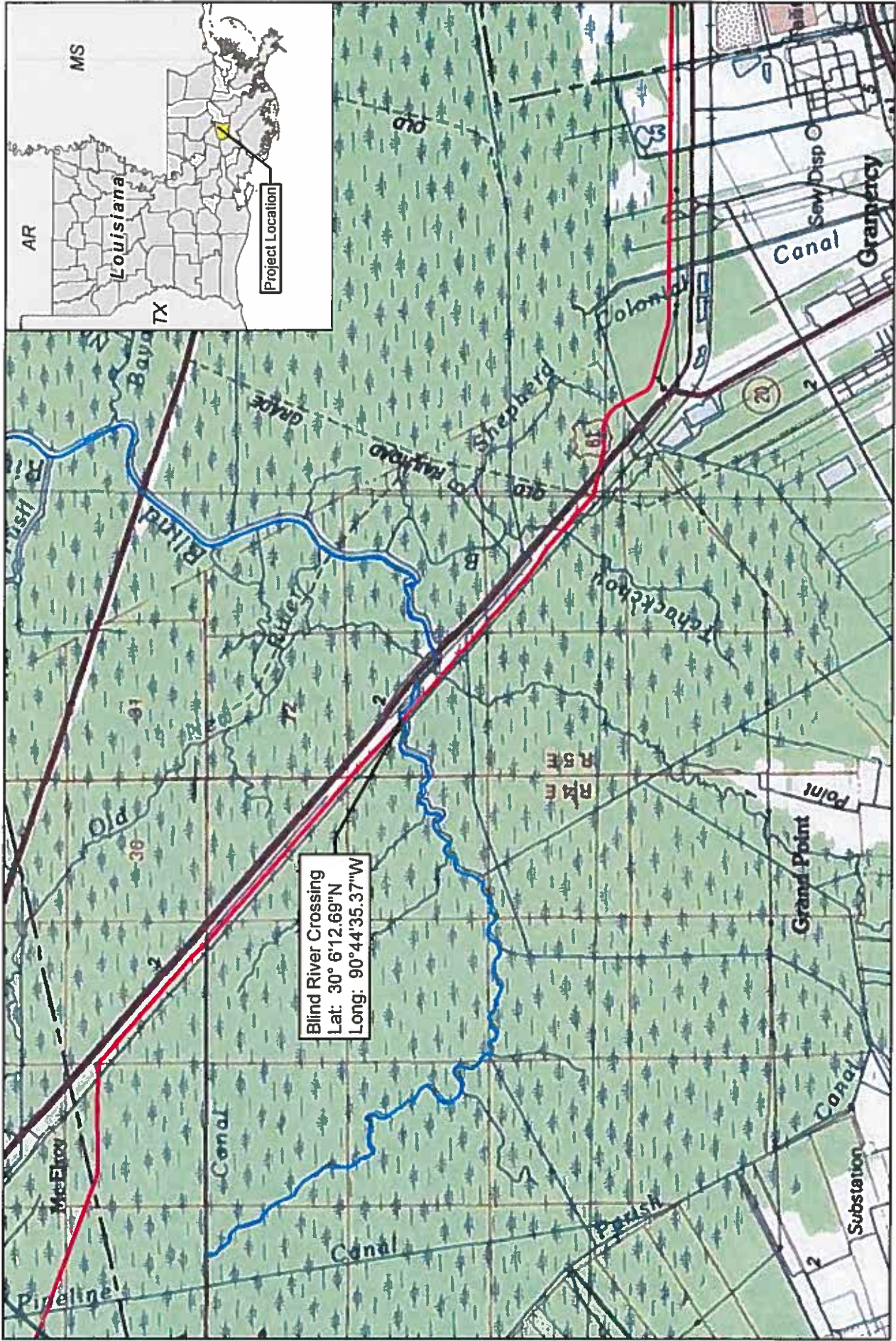
A handwritten signature in blue ink, appearing to read "Robert J. Barham", written over a horizontal line.

Authorized Signature

2/9/16

Date

REV. 12/7/98



SWCA
ENVIRONMENTAL CONSULTANTS

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ASCENSION PIPELINE BLIND RIVER CROSSING









VICINITY MAP
ST. JAMES PARISHES, LOUISIANA

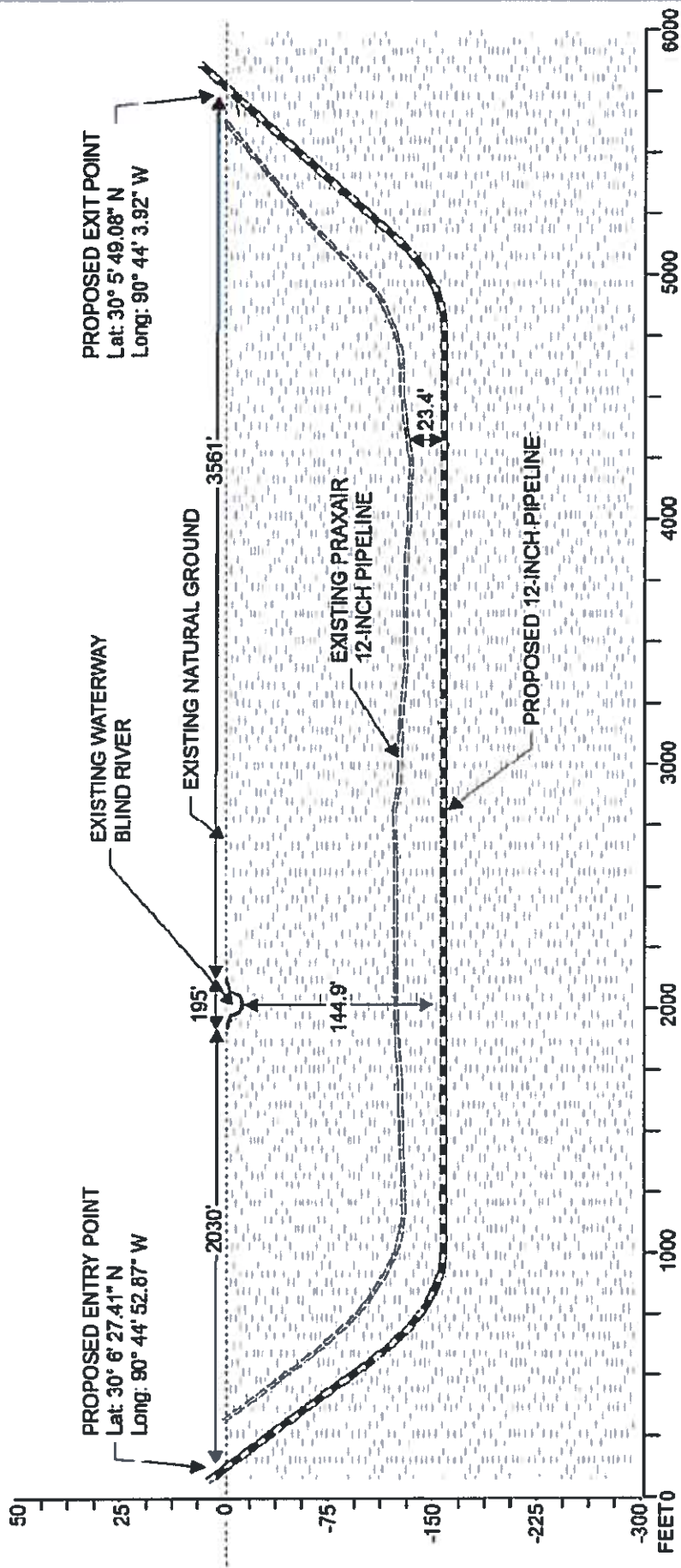
FIGURE 1


Project Centerline

Background:	USGS Topographic Map
Scale:	1:50,000
Created By:	SWCA
Approved By:	SWCA Project Inc.
Date Produced:	January 22, 2018
Map Produced:	SWCA Project Inc.
Map Scale:	1:50,000
Map Projection:	UTM
Map Datum:	NAD 83
Map Units:	Feet
Map Scale:	1:50,000
Map Projection:	UTM
Map Datum:	NAD 83
Map Units:	Feet



 ENVIRONMENTAL CONSULTANTS 5745 East Lake, Suite 105 Baton Rouge, Louisiana 70810 (225) 563-2820 Phone (225) 563-2031 Fax www.swca.com	ASCENSION PIPELINE BLIND RIVER CROSSING PLAN VIEW MAP ST. JAMES PARISHES, LOUISIANA		FIGURE 3												
	<div><div><div> Main Line Block Valve (MLVB)</div><div> ROW</div><div> Existing Railroad</div><div> Scenic River</div></div><div><div></div><div><table><tr><td>Background:</td><td>USGS Topographic Map</td></tr><tr><td>Scale:</td><td>1" = 1/4" N.T.</td></tr><tr><td>Drawn By:</td><td>ZM</td></tr><tr><td>Checked By:</td><td>CP</td></tr><tr><td>USGS Project No.:</td><td>3131</td></tr><tr><td>Date Produced:</td><td>January 22, 2018</td></tr><tr><td>Map Produced:</td><td>WAD 1983 Standard Louisiana South TIPS 1702 Feet</td></tr></table><div></div></div></div></div>			Background:	USGS Topographic Map	Scale:	1" = 1/4" N.T.	Drawn By:	ZM	Checked By:	CP	USGS Project No.:	3131	Date Produced:	January 22, 2018
Background:	USGS Topographic Map														
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USGS Project No.:	3131														
Date Produced:	January 22, 2018														
Map Produced:	WAD 1983 Standard Louisiana South TIPS 1702 Feet														



 SWCA ENVIRONMENTAL CONSULTANTS <small>5742 Eastern Lakes Road, Suite 101 Baton Rouge, Louisiana 70810 (225) 663-3830 phone (225) 663-3631 fax www.swca.com</small>	ASCENSION PIPELINE BLIND RIVER HDD CROSSING ST. JAMES PARISHES, LOUISIANA		FIGURE 2										
	<table border="1"> <tr> <td>Background:</td> <td>NTS</td> </tr> <tr> <td>Scale:</td> <td>2"=1'</td> </tr> <tr> <td>Drawn By:</td> <td>CF</td> </tr> <tr> <td>Reviewed By:</td> <td>JTS</td> </tr> <tr> <td>SWCA Project No.:</td> <td>11151</td> </tr> <tr> <td>Date Produced:</td> <td>January 27, 2015</td> </tr> </table>			Background:	NTS	Scale:	2"=1'	Drawn By:	CF	Reviewed By:	JTS	SWCA Project No.:	11151
Background:	NTS												
Scale:	2"=1'												
Drawn By:	CF												
Reviewed By:	JTS												
SWCA Project No.:	11151												
Date Produced:	January 27, 2015												

8.0 Photographs of Project Location



Photo 1: Facing southeast, view upstream of the Blind River.



Photo 2: Facing southwest, view downstream of the Blind River.